

Converting Colors

$Y_{xy}(23.6244, 0.4541, 0.2275)$

Have a look what the booklet for
Yxy(23.6244, 0.4541, 0.2275)
contains.

Yxy(23.6266, 0.4540, 0.2275)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(23.6266, 0.4540, 0.2275)

Conversions

Conversions Part 1

Format	Color
Hex	FF009B
RGB	255, 0, 155
RGB Percent	100%, 0%, 61%
CMY	0.0001, 0.9989, 0.3922
CMYK	0.00, 1.00, 0.39, 0.00
HSL	324°, 100%, 50%
HSV	324°, 100%, 100%
XYZ	47.1493, 23.6266, 33.0772
YIQ	93.9150, 102.2250, 102.2650

Conversions

Conversions Part 2

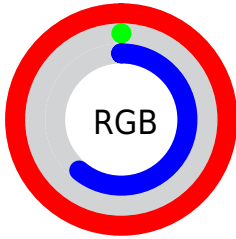
Format	Color
R_{YB}	255, 0, 155
Decimal	16711835
CIE _{Lab}	55.71, 86.70, -10.81
CIE _{LCh}	56, 87.374, 352.896
Yxy	23.6266, 0.4540, 0.2275
Android (android.graphics.Color)	4294901915 (0xFFFF009B)
YUV	93.9150, 30.1149, 141.2715
Hunter-Lab	48.6072, 88.0837, -6.3219

Details

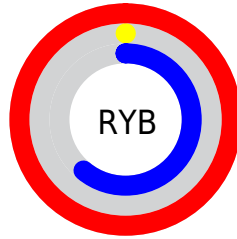
The Yxy color **23.6266, 0.4540, 0.2275** is a dark color, and the websafe version is hex **FF0099**. The color can be described as middle saturated rose. A complement of this color would be **72.4337, 0.2828, 0.5381**, and the grayscale version is **11.1204, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.1708, 0.3664, 0.2245**, and **12.2059, 0.4788, 0.2411** is the 20% darker color. If you saturate the color by 10%, you get **23.6182, 0.4542, 0.2276**, and if you desaturate by 10%, it is **24.7012, 0.4363, 0.2227**.

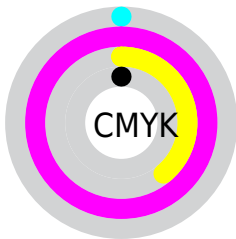
Distribution



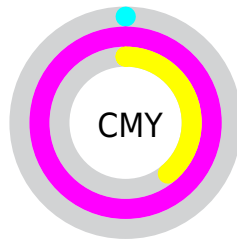
- Red (100%)
- Green (0%)
- Blue (61%)



- Red (100%)
- Yellow (0%)
- Blue (61%)



- Cyan (0%)
- Magenta (100%)
- Yellow (39%)
- Black (0%)




- Cyan (0%)
- Magenta (100%)
- Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.6266, 0.4540, 0.2275 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 23.6266, 0.4540, 0.2275 by changing the saturation by 10% instead.


 23.6266, 0.4540,
0.2275


 23.6266, 0.4540,
0.2275


270.9272, 0.3783,
0.2800


 15.0569, 0.4743,
0.2141


 49.4202, 0.4254,
0.2469


 8.8593, 0.5012,
0.1968


 67.4128, 0.4149,
0.2541


 4.6495, 0.5381,
0.1738


 89.3152, 0.4063,
0.2601

 2.0431, 0.5911,
0.1425

 115.5117, 0.3989,
0.2653

 0.6324, 0.6735,
0.0956

 146.3868, 0.3927,
0.2697

 0.0000, 0.8916,
0.0000

182.3248, 0.3872,

 0.0000, 1.0000,

0.2736

0.0000

223.7101, 0.3825,
0.2770

■ 0.0000, 0.0000,
0.0000

■ 23.6266, 0.4540,
0.2275

■ 23.6266, 0.4540,
0.2275

■ 23.6182, 0.4542,
0.2276

■ 24.7012, 0.4363,
0.2227

■ 26.7430, 0.4181,
0.2229

■ 30.0354, 0.3999,
0.2282

■ 34.7533, 0.3826,
0.2380

■ 41.0435, 0.3666,
0.2510

■ 49.0345, 0.3523,
0.2660

■ 58.8412, 0.3398,
0.2820

■ 70.5686, 0.3292,
0.2982

■ 84.3136, 0.3202,
0.3141

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



23.6266, 0.2960, 0.1692



23.6266, 0.4540, 0.2275



23.6266, 0.5735, 0.3014

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



23.6266, 0.4540, 0.2275



23.6266, 0.3904, 0.5826



23.6266, 0.0951, 0.1753

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



23.6266, 0.4540, 0.2275



72.4337, 0.2828, 0.5381

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



23.6266, 0.1056, 0.2747



23.6266, 0.4540, 0.2275



23.6266, 0.2681, 0.6071

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



23.6266, 0.4540, 0.2275



23.6266, 0.5062, 0.4805



23.6266, 0.1623, 0.4584



23.6266, 0.1184, 0.1386

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



23.6266, 0.4540, 0.2275



23.6266, 0.5920, 0.3541



23.6266, 0.1623, 0.4584



23.6266, 0.0946, 0.1996

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



23.6280, 0.4540, 0.2275



58.7345, 0.3400, 0.2818



9.8166, 0.1801, 0.0766



11.6394, 0.3450, 0.2750



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



23.6280, 0.4540, 0.2275



23.6227, 0.4542, 0.2276



21.3557, 0.6284, 0.3236



18.1725, 0.3199, 0.3147



12.3736, 0.4514, 0.2260



1.2263, 0.4324, 0.2156

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



23.6280, 0.4540, 0.2275



23.6227, 0.4542, 0.2276



76.9589, 0.2351, 0.3664



18.1725, 0.3199, 0.3147



12.3736, 0.4514, 0.2260



1.2263, 0.4324, 0.2156

Previews

White Background



This preview shows how the Yxy color 23.6266, 0.4540, 0.2275 looks on a white background.

Color Contrast Check

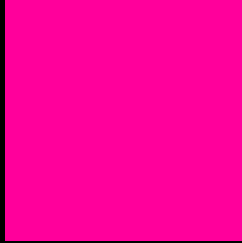
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the Yxy color 23.6266, 0.4540, 0.2275 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 23.6266, 0.4540, 0.2275

Background



This preview shows how black text looks on a background with the Yxy color 23.6266, 0.4540, 0.2275.



This preview shows how white text looks on a background with the Yxy color 23.6266, 0.4540, 0.2275.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

23.6266, 0.4540, 0.2275

Protanopia

24.3731, 0.2148, 0.1977

Deuteranopia

24.1755, 0.3137, 0.3077



Tritanopia

24.0204, 0.5741, 0.3284

Trichromacy



Original Color

23.6266, 0.4540, 0.2275



Protanomaly

17.3864, 0.2698, 0.1745



Deuteranomaly

18.5150, 0.3671, 0.2410



Tritanomaly

22.9910, 0.5426, 0.2902

Monochromacy



Original Color

23.6266, 0.4540, 0.2275



Achromatopsia

11.1932, 0.3127, 0.3290



Achromatomaly

11.2650, 0.3816, 0.2401

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.6266, 0.4540, 0.2275 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(255, 0, 155)` looks like.

```
.text, #text, p{  
    color:rgb(255, 0, 155)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(255, 0, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 0, 155) }
```

Border

The CSS property to change the border of an element to Yxy 23.6266, 0.4540, 0.2275 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(255, 0, 155) }
```

If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(255, 0, 155) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(255, 0, 155) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 0, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 0, 155);  
box-shadow:4px 4px 4px 4px rgb(255, 0,  
155) }
```


Background

The CSS property to change the background color of an element to Yxy 23.6266, 0.4540, 0.2275 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 0, 155) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(255, 0,  
155) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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